

SAMSUNG

Samsung Smart Series™ Air Conditioners

Learn more about Samsung Room Air Conditioning
at <http://www.samsung.com.au/aircon>



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SAMSUNG

AIR CONDITIONING SOLUTIONS FROM A TRUSTED BRAND

At the heart of family living is the home, a place full of special moments and wonderful memories where families live and grow in their own unique way.

At Samsung, we imagine all sorts of innovative ways to improve how your home functions and help it run smoothly – so you have more quality time for the joys of raising your family and looking after their well-being.

We're proud to say our Samsung brand is recognised as one of the world's leading intuitive product design companies, and one of the world's top electronics producers.

Samsung air conditioners have been designed with the same passion for innovation and quality that has helped make Samsung one of the 2011 Best Global Brands*.

Samsung air conditioning systems are held in high esteem around the world and have been selected for a multitude of developments including shopping centres, airports, stadiums and hotels.

Samsung continues to invest heavily in R&D, performance testing and quality control to deliver quality air conditioning systems to market.

2011 Best Global Brand

1. Coca Cola
2. IBM
3. Microsoft
- *
- *

17. SAMSUNG Electronics 

18. Louis Vuitton
- *
20. Oracle
- *
33. Canon
- *
35. Sony

*Source: Best Global Brand 2011. Interbrand.



TRUSTED BRAND

Samsung Smart Series™ Air Conditioners

CONTROL YOUR COMFORT FROM VIRTUALLY ANYWHERE*

Samsung Smart Series™ Air Conditioners aims to change the way you control your comfort as the control is literally at your finger tips, virtually no matter where you are. The new range is Wi-Fi enabled*, allowing the user to control the air conditioning unit via their compatible Android™ or iOS Smartphone or Tab while they are in or out of the house.



REMOTE CONTROL

Smart Wifi*

At Home

When connected to your in house Wi-Fi network, your compatible Smartphone acts like another remote control. However line of sight is not always needed. For example, you could turn on your Air Conditioning unit from your compatible phone or Tab in the upstairs bedroom whilst you sit on the lounge watching TV so that your room is nice and cool before coming up to sleep.



PHONE



TABLET



Out of Home

Using your compatible phone or Tab you can now control your Air Conditioning unit from virtually anywhere outside of your home. When connected out of home, you will need to be on a 3G, 4G or Wi-Fi network.

Forgotten to turn your air conditioning unit off?

Samsung Smart Series™ allows you to turn it off virtually wherever you are.* Before you get home, check the current temperature in the room and turn your air conditioner on to your preferred temperature so it's to your comfort on arrival.

SAMSUNG SMART AIR CONDITIONER APP

EASY TO USE FEATURES



- Turn your ac unit on/off



- Check and adjust the temperature of the room



- Advanced On/Off Timer settings
- Program what time you want your unit to turn on/off
- Set day(s) of the week you would like this to occur



- Multiple AC units can be run from one App and device

*Wi-Fi enabled control requires access to a wireless network. Wi-Fi enabled control is compatible with selected Android and iOS smartphones and requires the Samsung Smart Air Conditioner app, downloaded from Google Play or iTunes. To use 'Out Of Home' control, users must register the product at <https://eu.samsungsmartappliance.com>. Internet connection required to use 'Out Of Home' control. Data charge may apply. Android is a trademark of Google Inc. iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under licence.

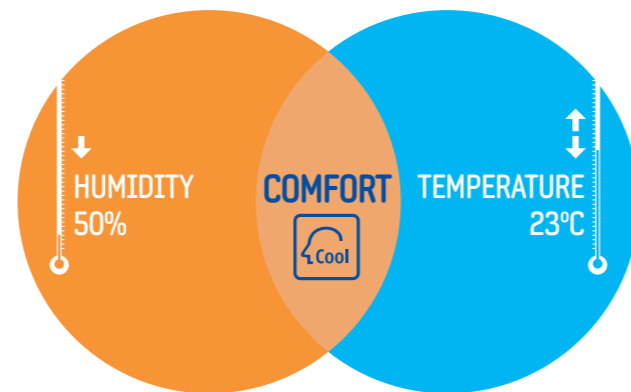
SAMSUNG SMART SERIES™

AIR CONDITIONER FEATURES



D'LIGHT COOL MODE

The comfort level in the room is not only a function of temperature. Humidity levels in a room can make you feel uncomfortable, even at the desired temperature. In D'Light Cool mode, the AC unit measures both temperature and humidity. In humid environments even at a cool temperature, humidity levels can be high, making the occupants feel uncomfortable. The D'Light Cool mode will make an assessment of both temperature and humidity and so even if the required temperature is reached, the unit will continue to dehumidify until a comfortable index level is reached.



	WITH "D'LIGHT COOL"	WITHOUT "D'LIGHT COOL"
UNIT MEASURES	Temperature Humidity	Temperature
UNIT CONTROLS	Temperature Reducing Humidity Fan Speed (high/mid/off)	Temperature
RESULTS	COMFORT	The right temperature



GOOD SLEEP II MODE

Automatically adjusts the temperature to create a comfortable temperature which may help you fall asleep, maintain a comfortable sleep environment and awake refreshed. Good Sleep operation in Cooling:

- Falling Asleep Stage:** Eases you into sleep by dropping the temperature.
- Sound Sleep Stage:** Relaxes your body and raises the temperature slightly.
- Wake up Stage:** The temperature will automatically rise in order to increase your body temperature for a refreshing start to the day.



HD FILTRATION WITH IONISER

All Samsung Smart Series AC units are equipped with a Samsung HD Filter and Ioniser which aim to help reduce the dust levels in the air. The HD Filter has a narrow opening, limiting the amount of dust that can pass through the filter whilst the Ionizer produces negatively charged Ions which help attract the positively charged dust particles they come in contact with. Thus together, they may help the Samsung Smart Series AC unit to reduce dust levels in the air.



WATERFALL AIRFLOW

In heating mode, the unit has the ability to target the air directly down at a 90 degree angle. This is called the Waterfall Airflow and it helps heat to be distributed evenly in the room.



TURBO MODE

Operates the ac unit at its maximum speed to quickly reach the set temperature.



SMART MODE

Enables the air conditioner's compressor to operate at a reduced intensity when the air conditioner is not required to be run at maximum cooling/heating capacity.



AUTO-CLEAN INDOOR COIL

Runs the indoor fan for a set time after the air conditioning unit is switched off. This helps to dry off moisture within the indoor unit.



CORROSION RESISTANT FIN

Helps to protect the outdoor heat exchanger from corrosion to extend the life of your air conditioning unit.



AUTO MODE

Automatically selects the operating mode according to the temperature setting, so the air conditioner heats or cools as required to maintain the set temperature.



FAN MODE

Circulates air around the room without using cooling/heating functions.



QUIET MODE

Noise levels can be reduced when that extra quiet time is needed.



REAL TIME TIMER

Gives you the ability to fully program an on and off time to operate the air conditioner.

SAMSUNG SMART SERIES™ MODEL SPECIFICATIONS*

SAMSUNG SMART SERIES						
BOM Code	F-AQV09TWS-01	F-AQV12TWS-01	F-AQV18TWS-01	F-AQV24TWD-01	F-AQV30TWD-01	
Indoor Code	AQV09TWSNXSA	AQV12TWSNXSA	AQV18TWSNXSA	AQV24TWDNXSA	AQV30TWDNXSA	
Outdoor Code	AQV09TWSXXSA	AQV12TWSXXSA	AQV18TWSXXSA	AQV24TWDXXSA	AQV30TWDNXSA	

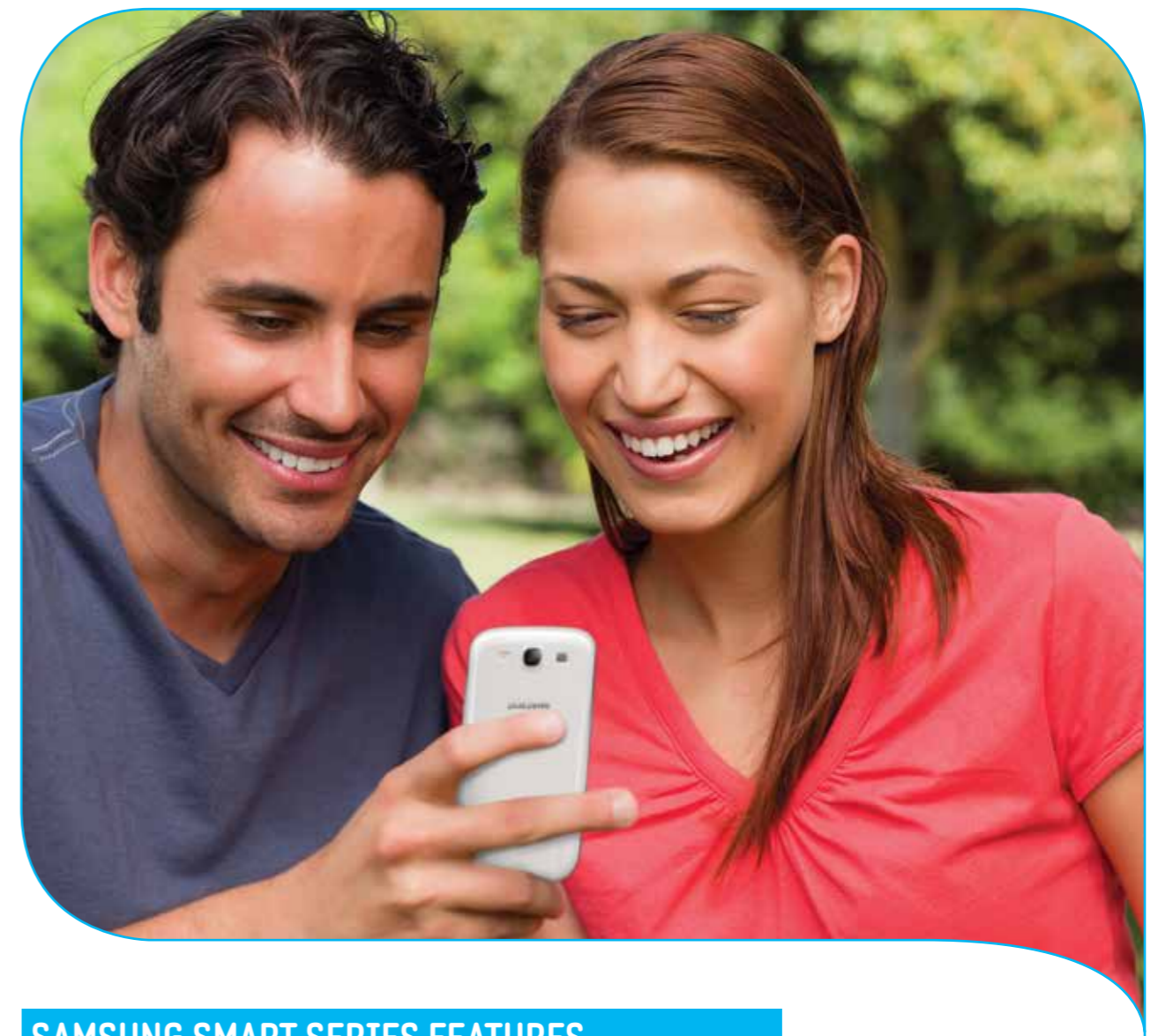
PERFORMANCE							
Capacity	Cooling	kW	2.5	3.5	5.0	6.8	8.0
		(min~max)	0.99 3.20	0.99 4.00	1.60 6.00	2.20 8.00	2.00 9.30
	Heating	kW	3.2	4.0	6.0	8.0	9.0
(min~max)		0.99 5.20	0.99 6.00	1.20 8.00	1.90 10.00	2.20 12.0	
Energy Efficiency Rating	Cooling	AEER(W/W)	4.42	3.78	3.56	3.23	3.23
	Heating	ACOP(W/W)	4.54	4.02	3.60	3.30	3.30
Star Rating	Cooling	Stars	4.0	3.0	2.5	2.0	2.0
	Heating	Stars	4.5	3.5	2.5	2.0	2.0
Moisture Removal		Lit / hr.	1.7	1.7	2.5	3.0	4.5
Air Circulation (Max)		Lit / Sec	215	225	230	300	330
Sound Pressure Levels	Indoor High	dBA	37	38	40	42	47
	Indoor Low	dBA	25	27	29	31	36
	Indoor Quiet Mode	dBA	21	21	22	27	31
	Outdoor High	dBA	45	47	53	53	55
Sound Power Levels	Outdoor High	dBA	62	64	68	70	71

ELECTRICAL DATA							
Power Source		V/Hz/Ph	220 ~ 240 / 50 / 1 (mains power to outdoor unit)				
Power Consumption	Cooling	W	560	920	1400	2100	2480
	Heating	W	700	990	1660	2420	2720
Operating Current	Cooling	Amps	2.6	4.2	6.4	9.7	11.4
	Heating	Amps	3.2	4.5	7.6	11.1	12.4

DIMENSIONS & WEIGHT							
Dimension (W x H x D)	Indoor	mm	890 x 285 x 190	890 x 285 x 190	1065 x 298 x 230	1065 x 298 x 230	1065 x 298 x 230
	Outdoor	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	880 x 931 x 320
Weight	Indoor	kg	9.2	9.2	12.1	11.5	13
	Outdoor	kg	32	32	42.2	53.5	71.5

TECHNICAL INFORMATION							
Piping Size	Liquid	OD	6.35mm	6.35mm	6.35mm	6.35mm	6.35mm
	Gas	OD	9.52mm	9.52mm	12.7mm	15.88mm	15.88mm
Piping Length	Pre Charged	m	7.5	7.5	7.5	7.5	7.5
	Min	m	3	3	3	3	3
	Max	m	15	15	30	30	30
Piping Height	Max	m	8	8	15	15	15
Compressor Type			BLDC ROTARY		TWIN BLDC ROTARY		
Operating Range	Cooling	°C	-10~46				
	Heating	°C	-15~24				
Refrigerant Type			R410A				

RATING CONDITIONS	Cooling	Heating
Inside air temperature	27°C DB / 19°C WB	20°C DB
Outside air temperature	35°C DB	7°C DB / 6°C WB



SAMSUNG SMART SERIES FEATURES		
Operating Mode	Turbo Mode	Yes
	D'light Cool	Yes
	Good Sleep	Yes
	Smart Mode	Yes
	Dehumidification	Yes
	Auto Mode	Yes
	Fan Mode	Yes
Airflow	Quiet Mode	Yes
	Air Direction Control (Up/Down)	Auto
	Air Direction Control (Left/Right)	Manual
Air Purification	Air Flow Speeds (Cool/Fan)	4 / 3
	S-Plasma Ion	Yes
	Full HD Filter	HD80
Convenience	Auto Clean (Indoor Coil)	Yes
	Wi-Fi Enabled	Yes
	Remote Controller	Yes
	Real-Time Timer	Yes
	Auto Changeover	Yes
	Auto Restart	Yes
Outdoor Unit	DRED Enabled	Yes
	Anti-Corrosion Fin	Yes

* These systems must be installed by a qualified technician. Specifications and features are subject to change without notice.

ALL SAMSUNG
SMART
SERIES AIR
CONDITIONERS
COME STANDARD
WITH THESE
FEATURES.

Samsung is fully committed to after sales and warranty support



MEPS COMPLIANT

Air conditioners sold in Australia are required to meet Minimum Energy Performance Standards (MEPS) set by the Government.

These standards are based on the ratio of a system's energy input versus its capacity.

On the 1st of October 2011 the latest minimum efficiency levels came into effect. Samsung is proud to state that our Samsung Smart Series™ Air Conditioners are fully compliant with these MEPS levels.



PEACE OF MIND

Rest assured that you are buying a quality air conditioner with Samsung's 5 year parts and labour warranty on products featured in this brochure when used for human comfort.*Refer to the warranty card included with your product for full details.

PRODUCT SUPPORT LINE

If you have any concerns about your product simply call 1300 362 603 and our friendly staff will assist with your enquiry and book a service call if required.

NATIONAL SAMSUNG SERVICE NETWORK

Our national network of Authorised Service Centres and Customer Service Plazas are on hand to support your product. Our specialist technicians will provide a fast and effective response.

*Excludes costs for labour and access equipment where Samsung-branded air conditioning unit is installed in an area which is not easily accessible. See warranty card or visit www.samsung.com/au/support for more information.